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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/904,622	07/13/2001	Marco Michael Rengan	RPS920010005US1	2989

7590 02/12/2004

BRACEWELL & PATTERSON LLP  
Intellectual Property Law  
P O Box 969  
Austin, TX 78767-0969

EXAMINER
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NGUYEN, KIMNHUNG T

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 02/12/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/904,622

Applicant(s)

RENGAN ET AL.

Examiner

Kimnhung Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4. 6) ☐ Other: \_\_\_\_.

### DETAILED ACTION

This Application has been examined. The claims 1-23 are pending. The examination results are as following.

#### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-23 are rejected under 35 U.S.C. 102(b) as being anticipated by Johary et al. (US patent 5,222,212).

Regarding claims 1, 8 and 17, Johary et al. disclose in figures 1-2 and 5, a method applicable within a computer display system for providing a display independence between a first display (CRT) and a second display device (flat panel), wherein said first and second display devices are controlled by a common video controller, said method comprising providing a first address register (see main register 20) that is accessible by said common video display controller to display within said first display device a graphic representation of data pointed to by an address within said first address register; and providing a second address register that is accessible by said common video display controller to display within said second display device a graphic representation of data

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pointed to by an address within said second address register, such that the displays within said first and second display device are independently controllable (see abstract).

Regarding claims 2-3, 9-10 and 18-19, Johary et al. discloses the method comprising an inherent allocating a first frame buffer (20, because main register holds the contents of a flat panel or CRT image displays, see column 6, lines 40-44); and selecting a dual display mode, and in response thereto, programming said first and second address registers to point to said first frame buffer (see abstract, see figure 5, see CPU 10, see column 6, lines 39-44).

Regarding claims 4-5, 11-12 and 20-21, Johary et al. disclose a selecting split display mode, and in response thereto: allocating a second frame buffer (see alternate register 30); copy the contents of said first frame buffer to said second frame buffer; and replacing the contents of said second address register to point to said second frame buffer, or delivering video data corresponding to the contents of said first frame buffer to said first display device; and delivering video data corresponding to the contents of said second frame buffer to said second display device (see column 6, lines 54-61).

Regarding claims 6, 13 and 22, Johary et al. disclose selecting an alternate display frame within a video memory device; and actuating a static display mode (see video controller capable of providing information for either a flat panel or CRT, see abstract), and in response thereto: maintaining said display frame within said second frame buffer; and

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copying said alternate display frame within said first frame buffer (see column 6, lines 54-61).

Regarding claims 7, 14 and 23, Johary et al. disclose, wherein said computer display system includes a display sequence comprising a plurality of display frames within a video memory device, the method comprising selecting an Mth display frame from within said display sequence (20, 30); actuating a split sequence display mode (see flat panel or CRT); setting a sequence displacement value to N; and in response to said actuating a split sequence display mode and setting a sequence displacement value N: copying said Mth display frame into said first frame buffer; and copying an (M-N)th display frame into said second frame buffer (see column 6, lines 54-61).

Regarding claims 15-16, Johary et al. disclose, wherein said computer display system includes a central processing unit, said apparatus further comprising processing means for processing data within said central processing unit for generating video image data displayable on said first and second display (flat panel, CRT, see figure 2A), and wherein said second display device is a (CRT), and an inherent digitally encoded data addressed by said second frame buffer address register into analog data for presentation on said CRT display and also provided in figure 1 of prior art cited by Applicant ( see DAC 106).

### ***Correspondence***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimnhung Nguyen whose telephone number (703) 308-0425.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **RICHARD A HJERPE** can be reached on **(703) 305-4709**.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D. C. 20231


**Or faxed to:**

**(703) 872-9314 (for Technology Center 2600 only).**

Hand-delivery response should be brought to: Crystal Park II, 2121 Crystal Drive, Arlington, VA Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Kimnhung Nguyen  
January 23, 2004



**RICHARD HJERPE**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2600**